

DOWNTOWN MANHATTAN
STATUE OF LIBERTY / ELLIS ISLAND
SCALE 1 : 50,000

Air tour helicopters may descend from Class B airspace into the SFRA in the vicinity of the George Washington Bridge.

HIGH DENSITY OF UNCONTROLLED HELICOPTER AND FIXED WING TRAFFIC OPERATING ON THE HUDSON AND EAST RIVER CLASS B EXCLUSIONS. ALL AIRCRAFT MUST ANNOUNCE ON 123.075 FOR THE EAST RIVER AND 123.05 FOR THE HUDSON RIVER.

Heavy concentration of air tour operations at 500' AGL in the vicinity of the Statue of Liberty and Ellis Island. Air tour helicopters may initiate a climb to higher altitude in this vicinity. Pilots should avoid overflying these areas and maintain appropriate lateral distance.

SPECIAL FLIGHT RULES AREA
CFR PART 93
NEW YORK CLASS B HUDSON & EAST RIVER EXCLUSIONS
All aircraft self announce on 123.075 for the East River and 123.05 for the Hudson River.
See chart panel for requirements.
These requirements do not relieve pilots of compliance with applicable Federal Aviation Regulations, including regulations governing minimum safe altitudes.

ROUTE DESCRIPTIONS

NEWARK TERMINAL AREA

VERRAZANO ROUTE: Hudson Checkpoint direct via Hudson River to center of Verrazano Bridge to offshore east of Staten Island shoreline (maintain clearance east of Gateway National Recreation Area) to Raritan River.

NEWARK ROUTE: Hudson Checkpoint direct east end of Turnpike Bridge, direct EWR direct Galloping Hills Golf Course.

ROUTE 280: Essex County Country Club Golf Course via Route I-280 to power plant direct West Entrance of Holland Tunnel. Note: Power plant has 5 in-line stacks.

NEW YORK TERMINAL AREA

HUDSON RIVER ROUTE:

Northbound - East Side of Verrazano Bridge to Governors Island direct to southwest tip of Manhattan Island then via east bank to Spuyten Duyvil.
Southbound - Harlem River direct west bank of Hudson River southbound via west bank to western Holland Tunnel Ventilation Tower to Hudson Checkpoint.

EAST RIVER ROUTE:

Northbound - Governors Island direct Williamsburg Bridge via east bank to Bowery Bay.
Southbound - Bowery Bay to west bank via west bank to Battery Park.

PARK ROUTE: JFK direct south side of Aqueduct Racetrack direct Prospect Park direct Hudson Checkpoint.

BRONX ROUTE: North tip Roosevelt Island direct Triborough Bridge toll plaza via west side I-278 to point ALPHA (I-895/I-278 intersection) direct to point BRAVO I-95 intersection SE of Bronx Zoo northbound via elevated railway to Wakefield switchyard.

THROGS ROUTE: Udall's Millpond direct south Stanchion Throgs Neck Bridge direct LGA control tower direct Bowery Bay direct Triborough Bridge direct north tip Roosevelt Island.

CENTRAL PARK ROUTE: North tip Roosevelt Island across Central Park Lake at 72nd Street direct Hudson River.

TRACK ROUTE: Intersection of Long Island Railroad and Meadowbrook State Parkway. West via Long Island Railroad to Ridgewood Reservoir direct to Lincoln Terrace Park. Note: Route may split at Ridgewood Reservoir.

WILLIAMSBURG ROUTE: East River direct Williamsburg Bridge, maintain 900' eastbound south of Twin White Tanks direct Ridgewood Reservoir as assigned, (see ** routes).

RESERVOIR ROUTE: East 34th Street Helipoint direct Newtown Creek to Twin White Tanks direct Ridgewood Reservoir as assigned, (see ** routes).

HARLEM RIVER ROUTE: Triborough Bridge via Harlem River northbound to Spuyten Duyvil.

CREEK ROUTE: Lincoln Terrace Park direct Spring Creek Park direct to a point immediately adjacent to northwest end of runway 13R parallel taxiway. Note: Simultaneous fixed wing arrivals on JFK ILS runway 13L.

TETERBORO TERMINAL AREA

SIERRA ROUTE:

DEPARTURE - Direct to windsock at Coca Cola plant to stack at metal treatment plant direct to the Lombardi Service Area. REMAINING ON THE SOUTH SIDE OF EMPIRE BLVD. AT ALL TIMES, to the west entrance of the Lincoln Tunnel (via overhead N.J. Turnpike, I-95, - east extension and Route 3) or North Hudson Park.

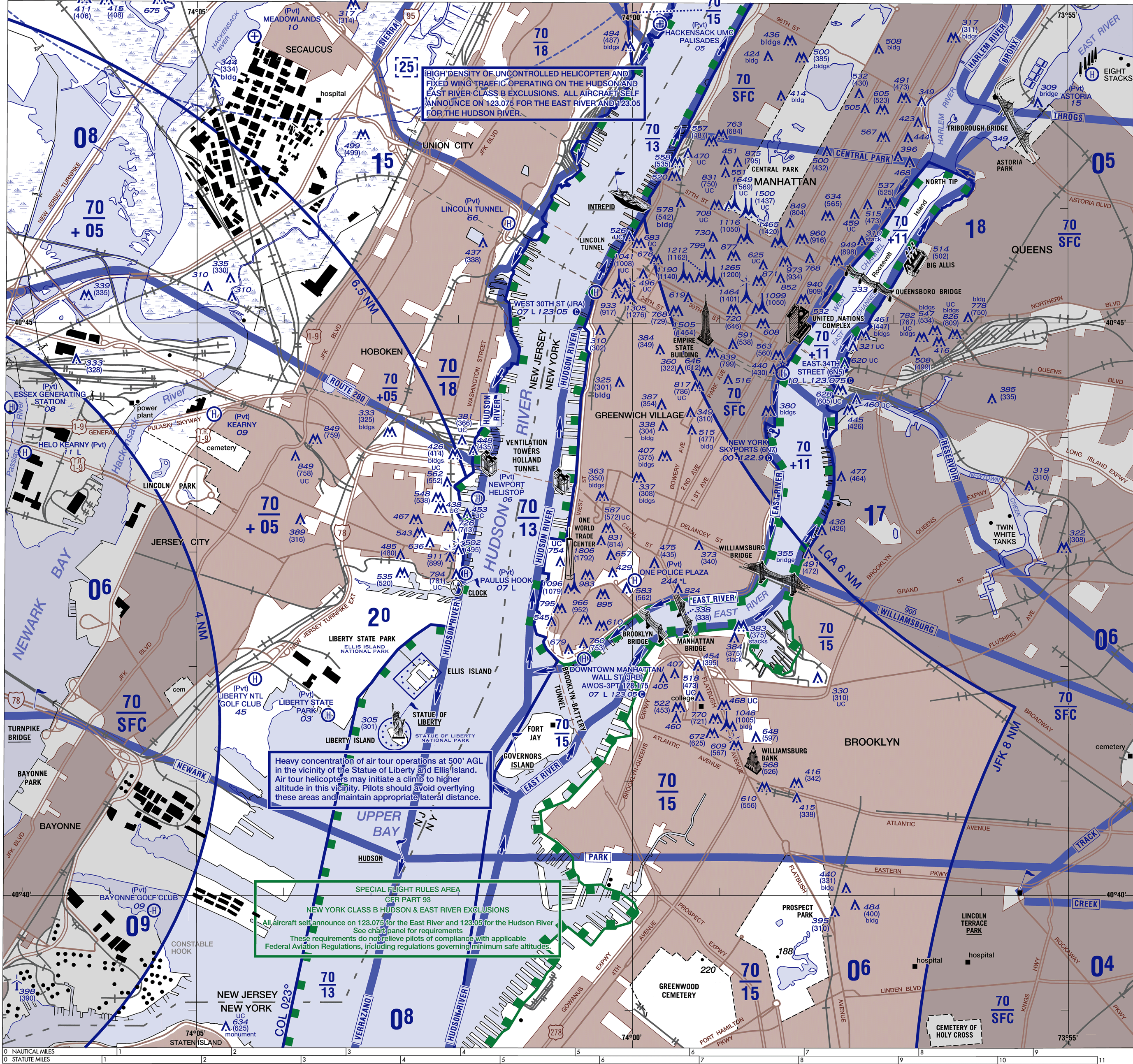
ARRIVAL - Via the west entrance to the Lincoln Tunnel or via North Hudson Park to the Lombardi Service Area direct to stack at metal treatment plant direct to windsock at Coca Cola plant. REMAINING ON THE SOUTH SIDE OF EMPIRE BLVD. AT ALL TIMES, then direct to the airport REMAINING EAST OF THE EXTENDED CENTERLINE OF RUNWAY 01/19 and CLEAR ALL RESIDENTIAL AREAS.

NOTE: PILOTS ANNOUNCE INTENDED ROUTE ON INITIAL CONTACT

CAUTION: ROUTES DEPICTED AND ALTITUDES ASSIGNED DO NOT PROVIDE OBSTACLE CLEARANCE PROTECTION. PILOTS ARE RESPONSIBLE FOR SEEING AND AVOIDING TERRAIN AND OBSTACLES. THIS CHART DOES NOT DEPICT COMPLETE OBSTACLE INFORMATION DUE TO THE HIGH CONCENTRATION OF OBJECTS IN THE AREA. OBSTACLES AND OTHER FEATURES SUCH AS POWER TRANSMISSION LINES AND PROMINENT STRUCTURES ARE DEPICTED FOR LANDMARK VALUE ONLY.

VISUAL CHECKPOINT
GEOGRAPHIC COORDINATES

NAME	LATITUDE	LONGITUDE
Clock	40-42.72N	074-02.03W
Governors Island	40-41.07N	074-01.56W
Hudson	40-40.34N	074-02.68W
Intrepid	40-45.88N	074-00.05W
Lincoln Terrace Park	40-40.01N	073-55.61W
Statue of Liberty	40-41.36N	074-02.67W
Turnpike Bridge	40-41.69N	074-07.03W



REPUBLIC TERMINAL AREA

ARRIVAL - Enter at Southern State Parkway and the Seaford Oyster Bay Expressway (Exit 27) Overly Southern State Parkway until Route 110 (Exit 32), then northbound to Route 109.

DEPARTURE - Southbound and parallel runway 01/19 until intersection of Route 109 & 110. Overly Southern State Parkway until Seaford Oyster Expressway, then proceed on course.

RECOMMENDED ALTITUDE - 1100 FEET.

ARRIVAL - Enter at Plainview and I-495 (Exit 46) and proceed directly to Microwave Tower, then southeast bound to Huntington Hilton. Follow Route 110 until airport.

DEPARTURE - Northbound and parallel runway 01/19 until Multiplex Theater. Route 110 North until Huntington Hilton, then northwest bound to Microwave Tower. Intercept Long Island Expressway then proceed on course.

RECOMMENDED ALTITUDE - 1100 FEET.

REPUBLIC ROUTE: Intersection of Broad Hollow Road and Fulton Street. Westbound over Fulton Street to Hempstead Turnpike. Westbound over Hempstead Turnpike to intersection with Meadowbrook State Parkway. Northbound over Meadowbrook State Parkway to Northern Parkway to Long Island Expressway. Westbound on Long Island Expressway to Cross Island Parkway. Northbound over Cross Island Parkway to Little Neck Bay. Little Neck Bay parallel to Cross Island Parkway to intersect THROGS ROUTE.

SOUTH SHORE ROUTE: Breezy Point Jetty then eastbound via and off the shoreline to Montauk. Note: CAUTION rotary and fixed wing aircraft, banner towing, possible wake turbulence from JFK heavy jet overflights.

CAUTION: ROUTES DEPICTED AND ALTITUDES ASSIGNED DO NOT PROVIDE OBSTACLE CLEARANCE PROTECTION. PILOTS ARE RESPONSIBLE FOR SEEING AND AVOIDING TERRAIN AND OBSTACLES. THIS CHART DOES NOT DEPICT COMPLETE OBSTACLE INFORMATION DUE TO THE HIGH CONCENTRATION OF OBJECTS IN THE AREA. OBSTACLES AND OTHER FEATURES SUCH AS POWER TRANSMISSION LINES AND PROMINENT STRUCTURES ARE DEPICTED FOR LANDMARK VALUE ONLY.

Airports with control towers are indicated on the face of the chart by the letters CT followed by the primary VHF tower frequency(s). Information for each tower is listed in the table below. Operational hours are local time. The primary VHF and UHF tower and ground control frequencies are listed.

Automatic Terminal Information Service (ATIS) frequencies shown on the face of the chart are arrival VHF/UHF frequencies. All ATIS frequencies are listed in the table below. ATIS operational hours may differ from tower operational hours.

ASR and/or PAR indicate Radar Instrument Approach available.

MON-FRI indicates Monday through Friday.

O/T indicates other times.

CONTROL TOWER	OPERATES	TOWER	GND CON	ATIS
BRIDGEPORT/SIKORSKY	0630-2200	120.9 257.8	121.75 257.8	119.15
EAST HAMPTON TOWN	0800-2000 SAT BEFORE MORN. DAY-SUN AFTER LABOR DAY	125.225	121.9	
FRANCIS S GABRESKI	0700-2300	125.3 236.6	121.8 225.4	
LONG ISLAND MAC ARTHUR	0600-2400	119.3 335.5	135.3	120.725
REPUBLIC	0700-2300	118.8 279.65	121.6 269.6	126.65

FACILITY	FREQUENCIES	SERVICE AVAILABILITY
LONG ISLAND CLASS C	120.05 343.75	0600-2400; O/T CLASS E

Unless otherwise noted altitudes are
MSL and in feet. Time is local.
"TO" an altitude means "to and including."
FL – Flight Level
NO A/G – No air to ground communications.
Contact Flight Service for information.

NUMBER	ALTITUDE	TIME OF USE	CONTROLLING AGENCY/ CONTACT FACILITY	FREQUENCIES
W-105 A	TO FL 500	INTERMITTENT BY NOTAM	BOSTON CNTR	
W-106 A	TO 3000	INTERMITTENT BY NOTAM	BOSTON CNTR	
W-106 B	TO 8000	INTERMITTENT BY NOTAM	BOSTON CNTR	

Airspace

Hudson River: That airspace below 1300 feet MSL between the east and west banks of, and overlying, the Hudson River within the area beginning north of LaGuardia Airport on the west bank of the Hudson River lat. 40°57'45"N, long. 73°54'48"W (near Alpine Tower), thence south along the west bank of the Hudson River to intersect the Colts Neck VOR-DME (029°M) (M) radial, thence southwest along the Colts Neck VOR-DME (029°M) (M) radial to the Hudson River, thence south along the shore to the Verrazano-Narrows Bridge, thence east along the shore to the 10th Street Bank of the Hudson River, thence east along the 10th Street Bank of the Hudson River to lat. 40°58'39"N, long. 74°02'03"W, thence north along a line drawn direct to the southwesternmost point of Governors Island, thence north along a line drawn direct to the southern tip of Manhattan Island, thence north along the east bank of the Hudson River to the LGA VOR-DME 11-mile arc, north of LaGuardia Airport, thence counterclockwise along the 11-mile arc to lat. 40°57'54"N, long. 73°54'23"W, thence to the point of beginning.

East River: That airspace below 1500 feet MSL between the east and west banks of, and overlying, the East River beginning at lat. 40°03'39"N., long. 74°02'03"W., to the southwestern tip of Governors Island to the southwestern tip of Manhattan Island, between north along the west bank of the East River to the LGA VOR-DME 6-mile arc; thence counterclockwise along the 6-mile arc to the east bank of the East River, thence south along the east bank of the East River to the point of beginning at lat. 40°03'39"N., long. 74°02'03"W.; and that airspace 1100 feet MSL and below between the east and west banks of, and overlying the East River from the LGA VOR-DME 6-mile arc to the northern tip of Roosevelt Island.

No person may operate an aircraft within the airspace specified above unless that person continuously monitors and communicates, as appropriate, on the designated common traffic advisory frequency (CTAF). Pilots self-announce at the following charted mandatory reporting points:

Alpine Tower
GWB
Entrepreneur
Clock
Statue of Liberty
VZ

include the following information: aircraft type, current position, direction of flight and altitude.

The following practices are mandatory in both the Hudson River and East River Exclusions:

Maintain an indicated airspeed not to exceed 140 knots.

Anti-collision lights and aircraft position/navigation lights shall be on. Use of landing lights is recommended.

Pilots must have a current New York TAC and/or New York Helicopter Route Chart in the aircraft and familiarize themselves with the information contained therein.

The following practices are mandatory in the Hudson River Exclusion:

fly along the west shoreline of the Hudson River when southbound, and along the east shoreline of the Hudson River when northbound while remaining within the boundaries of the Hudson River Exclusion.

Aircraft overflying the area within the Hudson River Exclusion, but not landing or departing any of the Manhattan heliports or landing facilities, or conducting any local area operations, must transit the Hudson River Exclusion at or above an altitude of 1000 feet MSL up to, but not including, the floor of the overlying Class B airspace.

The following practices are mandatory in the East River Exclusion:

For flight operations by fixed-wing aircraft (excluding seaplane fixed-wing aircraft landing or departing the New York Skyports Inc. Seaplane Base) in the East River Class B Exclusion (from the southwestern tip of Governors Island to the northern tip of Roosevelt Island) are prohibited unless authorized and being controlled by ATC. To obtain authorization, pilots must contact LaGuardia Airport Traffic Control Tower prior to Governors Island.

Self-announce position on the appropriate CTAF.

EASTERN LONG ISLAND
SCALE 1 : 250,000

